Soybean Commission Project Summary

Evaluation of New Fungicides for Control of Asian Soybean Rust in Alabama in 2005.

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A soybean fungicide trial was planted in June at the Auburn University, Gulf Coast Regional Research and Extension Center in Fairhope, AL to soybean variety DP 5808 RR. The fungicide treatments were applied as a foliar spray on 10 Aug and 7 Sept. Soybean rust was evaluated on 9 Sep and 29 Sep by rating disease severity on a 0-8 scale. ASR severity was significantly higher on the lower, middle and upper canopy and defoliation was greater on the control then on all other treatments on both rating dates. On Sep 9, the Headline SBR-Folicur, Folicur-Folicur, Headline SBR-Laredo and Laredo-Laredo programs had significantly less rust severity in the lower canopy then the Stratego-Stratego, Quilt-Quilt, Stratego-Folicur and Quilt-Laredo programs. The Headline SBR-Folicur, Folicur-Folicur, Headline SBR-Laredo and Laredo-Laredo programs had significantly less defoliation then Stratego-Folicur and Quilt-Laredo programs. On 29 Sep, the Headline SBR-Headline SBR, Headline SBR-Folicur, Headline SBR-Laredo, Laredo-Laredo+Headline, Quilt-Folicur, and Folicur-Folicur programs had significantly less rust severity in the lower canopy then the Stratego-Stratego, Quilt-Quilt, Stratego-Laredo and Quilt-Laredo programs. Headline SBR-Folicur, Folicur-Folicur, Laredo-Laredo+Dithane programs had significantly less rust severity in the middle canopy then the Stratego-Stratego, and Stratego-Laredo programs. There were few differences in yield among treatments. The Laredo-Laredo and Stratego-Folicur programs had greater yields then Quilt-Quilt.